

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appln. No: To Be Assigned
Applicant: Takashi Tagami et al.
Filed: Herewith
Title: END SURFACE LIGHT-EMITTING ELEMENT HAVING INCREASED EXTERNAL
LIGHT EMISSION EFFICIENCY AND SELF-SCANNING LIGHT-EMITTING
ELEMENT ARRAY USING THE SAME
TC/A.U.: To Be Assigned
Examiner: To Be Assigned
Docket No.: NSG-229US

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Pursuant to 37 C.F.R. §§ 1.97 and 1.98 and to the duty of disclosure set forth in 37 C.F.R. § 1.56, the Examiner in charge of the above-identified application is requested to consider and make of record the references listed on the PTO 1449 (RP) submitted herewith.

Although the information submitted herewith may be "material" to the Examiner's consideration of the subject application, this submission is not intended to constitute an admission that such information is "prior art" as to the claimed invention.

In accordance with 37 C.F.R. § 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made.

Under 37 C.F.R. § 1.98(d), copies of the patents and publications listed on the enclosed PTO Form 1449 are not required to be provided, because they were cited by or submitted to the Patent and Trademark Office in prior application Serial Nos. 09/762,520, filed February 8, 2001, and 09/403,106, filed September 24, 1996 and which is relied upon for an earlier filing date under 35 U.S.C. § 120.

This Information Disclosure Statement is being filed concurrently with the above-referenced application.

Respectfully submitted,



Kenneth N. Nigon, Reg. No. 31,549
Attorney(s) for Applicant(s)

Enclosures: PTO Form 1449

Dated: February 11, 2004

P.O. Box 980
Valley Forge, PA 19482
(610) 407-0700

The Commissioner for Patents is hereby authorized to charge payment to Deposit Account No. **18-0350** of any fees associated with this communication.

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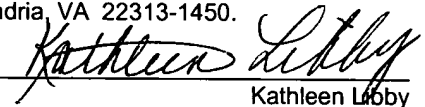
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February 11, 2004

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Kathleen Libby

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Substitute for Form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>	Complete if Known	
	Application Number	To Be Assigned
	Filing Date	Hereiwith
	First Named Inventor	Takashi Tagami et al.
	Art Unit	To Be Assigned
	Examiner Name	To Be Assigned
SHEET 1 of 2	Attorney Docket No.	NSG-229US

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date (MM-DD-YYYY)	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
		US-6,180,960 B1	01/30/2001	Kusuda et al.	
		US-5,361,273	11/01/1994	Kosaka	
		US-4,864,370	09/05/1989	Gaw et al.	
		US-4,984,035	01/08/1991	Kanzawa et al.	
		US-			

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date (MM-DD-YYYY)	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
		JP 9-283792 A	10/31/1997	Nippon Sheet Glass Co., Ltd.		<input type="checkbox"/>
		JP 9-85985 A	03/31/1997	Nippon Sheet Glass Co., Ltd.		<input type="checkbox"/>
		JP 5-299693 A	11/12/1993	Victor Company of Japan, Limited		<input type="checkbox"/>
		JP 9-92885 A	04/04/1997	Nippon Sheet Glass Co., Ltd.		<input type="checkbox"/>
		JP 406188404 A	07/08/1994	Richoh Gen. Electron Res. Inst.		<input type="checkbox"/>
		EP 0 000 70234 A2	01/19/1983	Thomson CSF		<input type="checkbox"/>
		EP 0 335 553 A2	10/04/1989	Nippon Sheet Glass Co., Ltd.		
		EP 0 544 512 A1	06/02/1993	Sharp KK		
		JP 2-263668	10/26/1990	Nippon Sheet Glass Co., Ltd.		
		JP 3-055885	03/11/1991	Nippon Sheet Glass Co., Ltd.		

Examiner Signature	Date Considered
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

¹Applicant's unique citation designation number (optional).

²See Kind Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04.

³Enter Office that issued the document, by the two-letter code (WIPO Standard St.3).

⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible.

⁶Applicant is to place a check mark here if English language translation is attached.

The collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Substitute for Form 1449B/PTO <h2 style="text-align: center; margin: 0;">INFORMATION DISCLOSURE STATEMENT BY APPLICANT</h2> <p style="text-align: center; margin: 0;"><i>(Use as many sheets as necessary)</i></p>	Complete if Known												
	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Application Number</td> <td>To Be Assigned</td> </tr> <tr> <td>Filing Date</td> <td>Herewith</td> </tr> <tr> <td>First Named Inventor</td> <td>Takashi Tagami et al.</td> </tr> <tr> <td>Art Unit</td> <td>To Be Assigned</td> </tr> <tr> <td>Examiner Name</td> <td>To Be Assigned</td> </tr> <tr> <td>Attorney Docket No.</td> <td>NSG-229US</td> </tr> </table>	Application Number	To Be Assigned	Filing Date	Herewith	First Named Inventor	Takashi Tagami et al.	Art Unit	To Be Assigned	Examiner Name	To Be Assigned	Attorney Docket No.	NSG-229US
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Examiner Name	To Be Assigned												
Attorney Docket No.	NSG-229US												
SHEET 2 of 2													

NON-PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
		K. KUSUDA ET AL., Proposal of Self-Scanning Light Emitting Device (SLED), IEEE, 3 December 1989, pages 851-854.	<input type="checkbox"/>
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